



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 3

Test Date: March 2009
Code: 12521735
SAU: MSAD 58
School: Strong Elementary School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores	2
Summary of Student Participation	3
English Language Arts – Reading Results	4-6
Mathematics Results	7-9

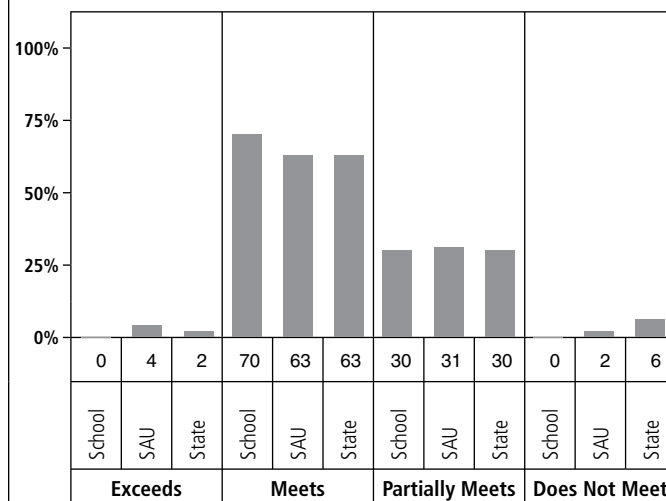
SUMMARY OF SCORES

Test Date: March 2009
Grade: 3
SAU: MSAD 58
School: Strong Elementary School

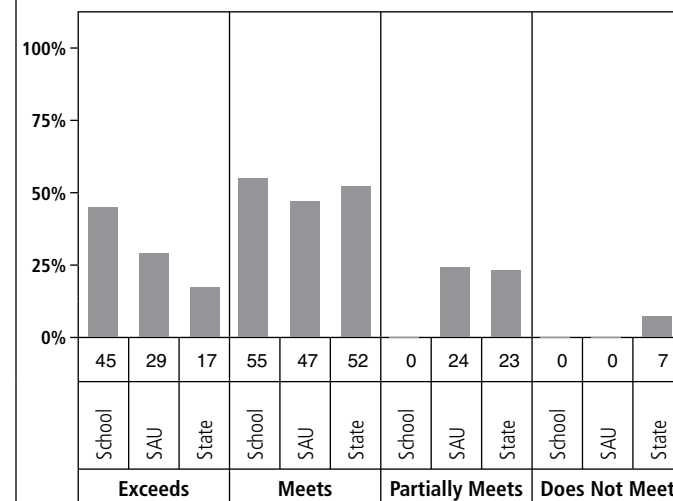
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	340	340	345
2007–2008	343	345	344
2008–2009	346	346	345
Cum. Avg.*	343	344	345
Mathematics			
2006–2007	347	345	347
2007–2008	342	347	347
2008–2009	359	353	348
Cum. Avg.*	349	348	347

ELA – READING



MATHEMATICS



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
 Grade: 3
 SAU: MSAD 58
 School: Strong Elementary School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	20	100	49	100	13763	100	20	100	49	100	13691	100	20	100	49	100	13691	100						
Ethnicity African American/Black	0	0	0	0	416	3	0	0	0	0	412	99	0	0	0	0	414	100						
American Indian or Native Alaskan	1	5	2	4	102	1	1	100	2	100	101	100	1	100	2	100	101	100						
Asian or Pacific Islander	1	5	1	2	232	2	1	100	1	100	226	97	1	100	1	100	227	98						
Hispanic	0	0	2	4	167	1	0	0	2	100	164	98	0	0	2	100	164	98						
Caucasian/White	18	90	44	90	12846	93	18	100	44	100	12788	100	18	100	44	100	12785	100						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	4	20	12	24	2414	18	4	100	12	100	2388	100	4	100	12	100	2388	100						
Current LEP	0	0	0	0	420	3	0	0	0	0	413	98	0	0	0	0	417	99						
Economically disadvantaged	9	45	24	49	5887	43	9	100	24	100	5847	100	9	100	24	100	5846	100						
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	16	80	39	80	10316	75	16	80	39	80	10355	75						
Identified disability (PET/IEP)	0	0	2	5	437	4	0	0	2	5	445	4						
LEP	0	0	0	0	192	2	0	0	0	0	193	2						
504 plan	0	0	0	0	83	1	0	0	0	0	83	1						
Participation with accommodations	4	20	10	20	3179	23	4	20	10	20	3152	23						
Identified disability (PET/IEP)	4	100	10	100	1757	55	4	100	10	100	1759	56						
LEP	0	0	0	0	214	7	0	0	0	0	219	7						
504 plan	0	0	0	0	63	2	0	0	0	0	64	2						
Other	0	0	0	0	1192	37	0	0	0	0	1157	37						
Participation through alternate assessment (PAAP)	0	0	0	0	194	1	0	0	0	0	184	1						
Identified disability (PET/IEP)	0	0	0	0	194	100	0	0	0	0	184	100						
LEP	0	0	0	0	5	3	0	0	0	0	5	3						
504 plan	0	0	0	0	1	1	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	2	0												
Approved non-participation – special consideration	0	0	0	0	19	0	0	0	0	0	21	0						
Non-participation – other	0	0	0	0	53	0	0	0	0	0	51	0						

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 3
SAU: MSAD 58
School: Strong Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 362–380)	2006-2007	0	0	0	0	332	2
	2007-2008	0	0	0	0	227	2
	2008-2009	0	0	2	4	262	2
	Cum. Total*	0	0	2	1	821	2
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 342–360)	2006-2007	8	32	16	31	8691	63
	2007-2008	10	43	28	54	8403	62
	2008-2009	14	70	31	63	8500	63
	Cum. Total*	32	47	75	49	25594	63
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 332–340)	2006-2007	16	64	30	59	3781	27
	2007-2008	13	57	23	44	4018	30
	2008-2009	6	30	15	31	3985	30
	Cum. Total*	35	51	68	45	11784	29
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 300–330)	2006-2007	1	4	5	10	1021	7
	2007-2008	0	0	1	2	938	7
	2008-2009	0	0	1	2	748	6
	Cum. Total*	1	1	7	5	2707	7

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	46	100	29.5	64.1	29.8	64.8	28.3	61.5
A1/A2 Interconnected Elements/Literary Text	32	70	20.5	64.1	20.7	64.7	19.9	62.2
A1/A3 Interconnected Elements/Informational Text	14	30	9.0	64.3	9.1	65.0	8.4	60.0

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 3
SAU: MSAD 58
School: Strong Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	20	0	0	14	70	6	30	0	0	346	49	4	63	31	2	346	13495	2	63	30	6	345
Ethnicity																						
African American/Black	0										0						402	0	40	41	18	339
American Indian or Native Alaskan	1										2						99	0	64	31	5	343
Asian or Pacific Islander	1										1						222	4	63	25	8	345
Hispanic	0										2						162	0	51	38	10	342
Caucasian/White	18	0	0	12	67	6	33	0	0	345	44	5	61	34	0	346	12610	2	64	29	5	345
Not Reported	0										0						0					
Identified disability																						
Yes	4										12	0	42	50	8	342	2194	0	32	50	18	338
No	16	0	0	12	75	4	25	0	0	347	37	5	70	24	0	348	11301	2	69	26	3	346
Current LEP																						
Yes	0										0						406	0	39	41	20	339
No	20	0	0	14	70	6	30	0	0	346	49	4	63	31	2	346	13089	2	64	29	5	345
Economically disadvantaged																						
Yes	9	0	0	7	78	2	22	0	0	346	24	4	63	29	4	346	5721	1	52	39	9	342
No	11	0	0	7	64	4	36	0	0	345	25	4	64	32	0	347	7774	3	71	23	3	346
Migrant																						
Yes	0										0						6	0	67	33	0	345
No	20	0	0	14	70	6	30	0	0	346	49	4	63	31	2	346	13489	2	63	30	6	345
Gender																						
Female	11	0	0	8	73	3	27	0	0	346	29	7	69	24	0	348	6568	3	67	26	4	346
Male	9	0	0	6	67	3	33	0	0	346	20	0	55	40	5	344	6927	1	59	33	7	343
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	18	0	0	12	67	6	33	0	0	345	28	4	71	25	0	347	2300	0	39	49	11	340
No	2										21	5	52	38	5	345	11195	2	68	25	4	345
Gifted/talented program																						
Yes	0										0						155	11	87	2	0	354
No	20	0	0	14	70	6	30	0	0	346	49	4	63	31	2	346	13340	2	63	30	6	344

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 3

SAU: MSAD 58

School: Strong Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	5	0	0	0	0	1	100	0	0	336	2	0	0	100	0	336	5	1	44	39	16	340
B. less than one hour	74	0	0	9	64	5	36	0	0	345	83	5	63	30	3	347	80	2	66	28	4	345
C. one to two hours	21	0	0	4	100	0	0	0	0	351	15	0	71	29	0	347	13	2	61	32	6	344
D. more than two hours	0										0						3	1	36	45	18	339
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	30	0	0	6	100	0	0	0	0	349	49	4	75	21	0	348	47	3	68	24	4	346
B. good	40	0	0	4	50	4	50	0	0	344	35	6	59	35	0	347	41	1	62	31	5	344
C. fair	25	0	0	3	60	2	40	0	0	343	14	0	29	57	14	339	9	0	51	41	8	342
D. poor	5	0	0	1	100	0	0	0	0	354	2	0	100	0	0	354	2	0	30	51	19	338
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	30	0	0	3	50	3	50	0	0	345	20	10	60	30	0	350	31	3	63	28	6	345
B. They match some of what I have learned.	40	0	0	8	100	0	0	0	0	349	49	4	75	17	4	347	49	2	68	26	3	345
C. They match just a little of what I have learned.	25	0	0	3	60	2	40	0	0	344	24	0	42	58	0	343	14	1	53	39	7	342
D. There is no match.	5	0	0	0	0	1	100	0	0	336	6	0	67	33	0	342	6	0	43	43	14	340
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	30	0	0	3	50	3	50	0	0	346	18	0	33	67	0	344	18	1	50	38	11	342
B. about the same as my regular schoolwork	65	0	0	10	77	3	23	0	0	346	61	7	70	20	3	347	57	2	68	26	3	346
C. easier than my regular schoolwork	5	0	0	1	100	0	0	0	0	346	20	0	70	30	0	345	25	1	61	31	6	344
How hard were the reading passages on this test?																						
A. Most of the passages were harder than what I normally read.	25	0	0	3	60	2	40	0	0	346	18	0	33	67	0	343	15	0	38	48	14	340
B. Most of the passages were about the same as what I normally read.	60	0	0	9	75	3	25	0	0	345	49	0	71	25	4	345	48	2	66	29	4	345
C. Most of the passages were easier than what I normally read.	15	0	0	2	67	1	33	0	0	347	33	13	69	19	0	351	37	3	70	23	4	347
How much time do you spend reading at home each day?																						
A. more than one hour	21	0	0	3	75	1	25	0	0	348	17	13	63	25	0	350	22	3	67	25	4	346
B. 20 minutes to an hour	37	0	0	6	86	1	14	0	0	348	51	4	75	21	0	348	46	2	68	26	4	346
C. less than 20 minutes	26	0	0	2	40	3	60	0	0	344	23	0	45	55	0	343	18	1	56	36	8	343
D. I rarely read at home.	16	0	0	2	67	1	33	0	0	342	9	0	50	50	0	343	14	0	50	40	10	341
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	40	0	0	5	63	3	38	0	0	344	21	0	50	50	0	343	29	1	56	36	7	343
B. six to ten pages	35	0	0	5	71	2	29	0	0	348	27	0	85	15	0	350	21	2	62	31	5	344
C. eleven or more pages	25	0	0	4	80	1	20	0	0	345	52	8	60	32	0	347	50	3	68	25	5	346
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 3
SAU: MSAD 58
School: Strong Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 362–380)	2006-2007	3	12	5	10	1985	14
	2007-2008	1	4	6	12	2277	17
	2008-2009	9	45	14	29	2328	17
	Cum. Total*	13	19	25	16	6590	16
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 342–360)	2006-2007	16	64	27	53	6990	51
	2007-2008	12	52	30	58	6764	50
	2008-2009	11	55	23	47	7045	52
	Cum. Total*	39	57	80	53	20799	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 326–340)	2006-2007	4	16	16	31	3673	27
	2007-2008	7	30	11	21	3504	26
	2008-2009	0	0	12	24	3137	23
	Cum. Total*	11	16	39	26	10314	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 300–324)	2006-2007	2	8	3	6	1193	9
	2007-2008	3	13	5	10	1044	8
	2008-2009	0	0	0	0	997	7
	Cum. Total*	5	7	8	5	3234	8

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	38.1	79.4	34.4	71.7	31.5	65.6
A. Number	20	42	14.8	74.0	13.2	66.0	12.8	64.0
B. Data	8	17	7.3	91.3	6.9	86.3	6.1	76.3
C. Geometry	8	17	6.7	83.8	5.9	73.8	5.5	68.8
D. Algebra	12	25	9.3	77.5	8.3	69.2	7.1	59.2

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 3
 SAU: MSAD 58
 School: Strong Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	20	9	45	11	55	0	0	0	0	359	49	29	47	24	0	353	13507	17	52	23	7	348
Ethnicity																						
African American/Black	0										0						407	7	37	32	24	338
American Indian or Native Alaskan	1										2						99	7	47	38	7	344
Asian or Pacific Islander	1										1						223	25	45	24	7	350
Hispanic	0										2						162	6	44	35	15	341
Caucasian/White	18	7	39	11	61	0	0	0	0	358	44	25	50	25	0	352	12616	18	53	23	7	348
Not Reported	0										0						0					
Identified disability																						
Yes	4										12	8	50	42	0	345	2204	6	36	36	22	338
No	16	8	50	8	50	0	0	0	0	359	37	35	46	19	0	356	11303	19	55	21	4	350
Current LEP																						
Yes	0										0						412	7	37	35	21	339
No	20	9	45	11	55	0	0	0	0	359	49	29	47	24	0	353	13095	18	53	23	7	348
Economically disadvantaged																						
Yes	9	4	44	5	56	0	0	0	0	359	24	21	42	38	0	349	5727	10	48	31	12	343
No	11	5	45	6	55	0	0	0	0	358	25	36	52	12	0	357	7780	23	55	18	4	351
Migrant																						
Yes	0										0						6	0	67	33	0	345
No	20	9	45	11	55	0	0	0	0	359	49	29	47	24	0	353	13501	17	52	23	7	348
Gender																						
Female	11	4	36	7	64	0	0	0	0	355	29	31	55	14	0	355	6568	16	52	24	8	348
Male	9	5	56	4	44	0	0	0	0	363	20	25	35	40	0	350	6939	18	53	22	7	348
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	18	9	50	9	50	0	0	0	0	359	28	39	46	14	0	355	2300	4	43	39	14	340
No	2										21	14	48	38	0	350	11207	20	54	20	6	350
Gifted/talented program																						
Yes	0										0						155	73	26	1	0	368
No	20	9	45	11	55	0	0	0	0	359	49	29	47	24	0	353	13352	17	52	23	7	348

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 3
SAU: MSAD 58
School: Strong Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	5	0	0	1	100	0	0	0	0	352	2	0	100	0	0	352	5	9	38	32	21	340
B. less than one hour	74	8	57	6	43	0	0	0	0	361	83	30	43	28	0	354	80	19	54	22	5	349
C. one to two hours	21	1	25	3	75	0	0	0	0	356	15	29	57	14	0	352	13	16	51	24	9	347
D. more than two hours	0										0						3	6	31	39	24	337
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	32	4	67	2	33	0	0	0	0	367	34	50	38	13	0	362	40	25	51	17	7	351
B. good	47	5	56	4	44	0	0	0	0	359	53	24	48	28	0	351	45	14	56	24	6	348
C. fair	21	0	0	4	100	0	0	0	0	350	13	0	67	33	0	345	12	7	49	34	10	343
D. poor	0										0						3	3	35	43	20	337
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	26	2	40	3	60	0	0	0	0	360	17	63	38	0	0	365	38	23	52	19	5	351
B. They match some of what I have learned.	32	2	33	4	67	0	0	0	0	356	53	20	52	28	0	352	45	16	56	22	6	348
C. They match just a little of what I have learned.	37	4	57	3	43	0	0	0	0	359	21	40	30	30	0	352	12	10	45	33	12	343
D. There is no match.	5	1	100	0	0	0	0	0	0	380	9	0	75	25	0	345	5	5	35	38	22	338
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	42	4	50	4	50	0	0	0	0	361	17	38	38	25	0	352	17	8	45	34	13	342
B. about the same as my regular schoolwork	53	5	50	5	50	0	0	0	0	360	66	35	42	23	0	355	59	19	55	21	5	350
C. easier than my regular schoolwork	5	0	0	1	100	0	0	0	0	346	17	0	75	25	0	349	24	20	51	21	8	349
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	5	1	100	0	0	0	0	0	0	374	6	33	67	0	0	363	15	8	41	35	15	341
B. 30–45 minutes	47	4	44	5	56	0	0	0	0	359	30	21	64	14	0	352	29	16	54	23	6	348
C. 45–60 minutes	26	4	80	1	20	0	0	0	0	364	53	40	32	28	0	356	32	21	55	19	5	350
D. more than 60 minutes	21	0	0	4	100	0	0	0	0	351	11	0	60	40	0	342	25	21	53	20	6	350
How often do you use calculators in mathematics class?																						
A. almost every day	15	0	0	3	100	0	0	0	0	348	10	20	60	20	0	348	6	6	33	39	23	337
B. two or three days a week	5	0	0	1	100	0	0	0	0	348	2	0	100	0	0	348	12	15	55	22	8	348
C. two or three times each month	30	2	33	4	67	0	0	0	0	359	15	29	71	0	0	359	26	20	56	19	5	350
D. never or almost never	50	7	70	3	30	0	0	0	0	363	73	31	40	29	0	353	56	18	52	23	7	348
How often do you use hands-on materials in mathematics class?																						
A. almost every day	50	4	44	5	56	0	0	0	0	358	53	33	42	25	0	355	37	14	51	27	9	346
B. two or three days a week	11	1	50	1	50	0	0	0	0	361	11	40	40	20	0	352	27	20	55	19	6	350
C. two or three times each month	17	2	67	1	33	0	0	0	0	362	20	33	22	44	0	349	19	22	53	19	6	350
D. never or almost never	22	1	25	3	75	0	0	0	0	359	16	0	100	0	0	352	18	15	51	26	8	347
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											